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Krasnic, Bernard

From: Stiltner, Weiwei Y. [weiwei.stiltner@bipc.com]
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To: Krasnic, Bernard
Subject: Patent Application Serial No. 10/699,700

Dear Examiner Krasnic,

Applicant indicates that the amendments to claims 2-5, as shown in the Appendix, in the above-referenced application are acceptable.

Please do not hesitate to contact me if you have any questions.

Regards,
Weiwei Stiltner

2. (Currently Amended) An image processing device, comprising:
a region extraction unit for separating and extracting a character region, a graphic region and a photograph region from image data;
a region compression unit for performing a compression process for the image data in each region extracted by said region extraction unit;
a region synthesis unit for synthesizing the image data of the regions compressed by said region compression unit;
a display;
a compression process mode setting unit, said compression process mode setting unit displays a plurality of compression process modes on the display, enabling a user to select one of the plurality of compression process modes; and
a compression method selection unit for selecting from a plurality of compression ~~modes~~methods, one of the plurality of compression methods for each region for the compression process to be performed for each region, wherein the selection unit displays one or more compression methods on the display for each region, enabling a user to select one of the plurality of compression methods in accordance with a type of the region from the plurality of compression methods, and wherein for each type of region, the selection unit displays only compression methods from compression methods in the plurality of compression methods that are designated for the type of region;
said region compression unit using, when a speed preference mode is set at said compression process mode setting unit, one of a plurality of compression methods designated for the image data in each region which exhibits a highest processing speed to perform the compression process for the individual region, wherein, for each type of region, the designated compression method is selected from among a plurality of compression methods, wherein each of the plurality of compression methods is designated for the type of region, and
said region compression unit performing the compression process for the image data of each region using the compression method selected for the region by said compression method selection unit.

3. (Currently Amended) An image processing device, comprising:
a region extraction unit for separating and extracting a character region, a graphic region and a photograph region from image data;
a region compression unit for performing a compression process for the image data in each region extracted by said region extraction unit;
a region synthesis unit for synthesizing the image data of the regions compressed by said region compression unit;
a display;
a compression process mode setting unit, said compression process mode setting unit displays a plurality of compression process modes on the display, enabling a user to select one of the plurality of compression process modes; and
a compression method selection unit for selecting from a plurality of compression ~~modes~~methods, one of the plurality

of compression methods for each region for the compression process to be performed for each region, wherein the selection unit displays one or more compression methods on the display for each region, enabling a user to select one of the plurality of compression methods in accordance with a type of the region from the plurality of compression methods, and wherein for each type of region, the selection unit displays only compression methods from compression methods in the plurality of compression methods that are designated for the type of region;

said region compression unit using, when a picture quality preference mode is set at said compression process mode setting unit, one of a plurality of compression methods designated for the image data in each region which exhibits a least picture quality deterioration to perform the compression process for the individual region, wherein, for each type of region, the designated compression method is selected from among a plurality of compression methods, wherein each of the plurality of compression methods is designated for the type of region; and

said region compression unit performing the compression process for the image data of each region using the compression method selected for the region by said compression method selection unit.

4. (Currently Amended) An image processing device, comprising:

a region extraction unit for separating and extracting a character region, a graphic region and a photograph region from image data;

a region compression unit for performing a compression process for the image data in each region extracted by said region extraction unit;

a region synthesis unit for synthesizing the image data of the regions compressed by said region compression unit;

a display;

a compression process mode setting unit, said compression process mode setting unit displays a plurality of compression process modes on the display, enabling a user to select one of the plurality of compression process modes; and

a compression method selection unit for selecting from a plurality of compression ~~modes~~methods, one of the plurality of compression methods for each region for the compression process to be performed for each region, wherein the selection unit displays one or more compression methods on the display for each region, enabling a user to select one of the plurality of compression methods in accordance with a type of the region from the plurality of compression methods, and wherein for each type of region, the selection unit displays only compression methods from compression methods in the plurality of compression methods that are designated for the type of region;

said region compression unit using, when a size preference mode is set at said compression process mode setting unit, one of a plurality of compression methods designated for the image data in each region which exhibits a highest compression ratio to perform the compression process for the individual region, wherein, for each type of region, the designated compression method is selected from among a plurality of compression methods, wherein each of the plurality of compression methods is designated for the type of region; and

said region compression unit performing the compression process for the image data of each region using the compression method selected for the region by said compression method selection unit.

5. (Currently Amended) An image processing device, comprising:

a region extraction unit for separating and extracting a character region, a graphic region and a photograph region from image data;

a region compression unit for performing a compression process for the image data in each region extracted by said region extraction unit;

a region synthesis unit for synthesizing the image data of the regions compressed by said region compression unit;

a display;

a compression process mode setting unit, said compression process mode setting unit displays a plurality of compression process modes on the display, enabling a user to select one of the plurality of compression process modes;

a compression method selection unit for selecting from a plurality of compression ~~modes~~methods, one of the plurality of compression methods for each region for the compression process to be performed for each region, wherein the selection unit displays one or more compression methods on the display for each region, enabling a user to select one of the plurality of compression methods in accordance with a type of the region from the plurality of compression methods, and wherein for each type of region, the selection unit displays only compression methods from compression methods in the plurality of compression methods that are designated for the type of region;

said region compression unit using, when a speed preference mode is set at said compression process mode setting unit, one of a plurality of compression methods designated for the image data in each region which exhibits a highest processing speed to perform the compression process for the individual region, wherein, for each type of region, the designated compression method is selected from among the plurality of compression methods, wherein each of the plurality of compression methods is designated for the type of region,

said region compression unit using, when a picture quality preference mode is set at said compression process mode setting unit, one of the plurality of compression methods designated for the image data in each region which exhibits a least picture quality deterioration to perform the compression process for the individual region, wherein, for each type of region, the designated compression method is selected from among the plurality of compression methods, wherein each of the plurality of compression methods is designated for the type of region, ~~and~~

said region compression unit using, when a size preference mode is set at said compression process mode setting unit, one of the plurality of compression methods designated for the image data in each region which exhibits a highest compression ratio to perform the compression process for the individual region, wherein, for each type of region, the designated compression method is selected from among the plurality of compression methods, wherein each of the plurality of compression methods is designated for the type of region; and

said region compression unit performing the compression process for the image data of each region using the compression method selected for the region by said compression method selection unit.